What Is claimed Is:

1.   A device for programming a controller (51),

which is designed as a portable copy-protected plug-in memory unit (100) for storing software (11, 111).

2.   The device as recited in Claim 1,

wherein the copy-protected plug-in memory unit (100) has at least one interface (101), which is designed for receiving software (11, 111) from a hardware device (12) and for transferring software (11, 111) to a controller (51).

3.   The device as recited in one of Claims 1 or 2,

wherein the copy-protected plug-in memory unit (100) has the following components:

- an interface (101),

- manipulation-protected hardware (102),

- a cryptographic unit (108),

- at least one processor (103) which has a logic and interface drivers,

- a memory (104) containing encrypted software (11, 111),   which includes controller software (105), programming software (106), and an encryption (107).

4.   The device as recited in one of the preceding claims,

which is used for programming a controller (51) of a motor vehicle (5).

5.   A method for programming a controller (51),

wherein software (11, 111) stored in a copy-protected plug-in memory unit (100) is transferred to the controller (51).

6.   The method as recited in Claim 5,

wherein software (11, 111) is transferred from a hardware device (12) to a copy-protected plug-in memory unit (100).

7.   The method as recited in one of Claims 5 or 6,

which is used for programming a controller (51) of a motor vehicle (5).

8. A computer program having program code means for executing all steps of a method as recited in one of Claims 5 through 7, when the computer program is executed on a computer or an appropriate computer device.

9. A computer program product having program code means which are stored on a computer-readable data medium for executing a method as recited in one of Claims 5 through 7,
when the computer program is executed on a computer or an appropriate computer device.